

AMENDMENTS TO CLAIMS

Claims 1-14 (canceled).

Claim 15 (new): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a joint, wherein:

- i) the joint is at least partially located within a ditch of the automotive vehicle; and
- ii) the first panel is attached to the second panel along a length of the joint; and

a multilayer seal disposed over the joint, the multilayer seal including an adhesion portion and a barrier portion, wherein:

- i) the barrier portion includes at least one layer;
- ii) the adhesion portion softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations; and
- iii) the multilayer seal includes at least one of a polyester material in the barrier portion or a methacrylate in the adhesion portion.

Claim 16 (new): A paintable seal system as in claim 1 wherein the barrier portion is layered over the adhesion portion.

Claim 17 (new): A paintable seal system as in claim 1 wherein the at least one layer is formed of a plastic sheet material.

Claim 18 (new): A paintable seal system as in claim 1 wherein the at least one layer is at least partially formed of polyester.

Claim 19 (new): A paintable seal system as in claim 18 wherein the polyester of the at least one layer is polyethylene terephthalate.

Claim 20 (new): A paintable seal system as in claim 1 wherein the barrier portion has a thickness of about 150 microns.

Claim 21 (new): A paintable seal system as in claim 1 wherein the adhesion portion includes a curing agent.

Claim 22 (new): A paintable seal system as in claim 1 wherein the adhesion portion includes an methacrylate copolymer.

Claim 23 (new): A paintable seal system as in claim 1 wherein the adhesion portion includes an ethylene methacrylate.

Claim 24 (new): A paintable seal system as in claim 1 wherein the adhesion portion includes a bisphenol.

Claim 25 (new): A paintable seal system as in claim 1 further comprising a layer of primer and a urethane based coating.

Claim 26 (new): A paintable seal system as in claim 1 wherein the adhesion portion includes an adhesion promoter.

Claim 27 (new): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a lap joint, wherein:

- i) the lap joint is at least partially located within a roof ditch that is at least partially defined by the first and second panel of the automotive vehicle; and
- ii) the first panel is spot welded to the second panel along a length of the joint;

a multilayer seal disposed over the lap joint, the multilayer seal including an adhesion portion layered over the lap joint and a barrier portion layered over the lap joint, wherein:

- i) the barrier portion includes multiple layers and at least one of the layers is at least partially formed of polyethylene terephthalate; and
- ii) the adhesion portion softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations.

Claim 28 (new): A paintable seal system as in claim 27 wherein the barrier portion is layered over the adhesion portion.

Claim 29 (New): A paintable seal system as in claim 27 wherein the at least one layer is formed of a plastic sheet material.

Claim 30 (new): A paintable seal system as in claim 27 wherein the barrier portion has a thickness of about 150 microns.

Claim 31 (new): A paintable seal system as in claim 27 wherein the adhesion portion includes a curing agent.

Claim 32 (new): A paintable seal system as in claim 27 wherein the adhesion portion includes a methacrylate copolymer.

Claim 33 (new): A paintable seal system as in claim 27 wherein the adhesion portion includes an ethylene methacrylate.

Claim 34 (new): A paintable seal system as in claim 27 wherein the adhesion portion includes a bisphenol.

Claim 35 (new): A paintable seal system as in claim 27 further comprising a layer of primer and a urethane based coating.

Claim 36 (new): A paintable seal system as in claim 27 wherein the adhesion portion includes an adhesion promoter.

Claim 37 (new): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a lap joint, wherein:

- i) the lap joint is at least partially located within a roof ditch that is at least partially defined by the first and second panel of the automotive vehicle; and
- ii) the first panel is spot welded to the second panel along a length of the joint;

a multilayer seal disposed over the lap joint, the multilayer seal including an adhesion layer layered over the lap joint and a barrier layer layered over the lap joint, wherein:

- i) the barrier layer includes multiple layers and at least one of the multiple layers is at least partially formed of polyethylene terephthalate;
- ii) the adhesion layer softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations; and
- iii) the adhesion layer includes an methacrylate copolymer, a bisphenol, a curing agent and an adhesion promoter; and

a layer of primer and a urethane based coating disposed over the multilayer seal.